

Collaborative Research Seed Grants 2017-2020

Competition	Principal Investigator	Co-Investigator(s)	Title	Departments
2017	Christopher Brandl	Robert Hegele; Patrick O'Donoghue	tRNA variation in diseases of proteostasis	Biochemistry; Robarts
2017	Amin Rizkalla	Henry Lapointe; Yara Hosein	Optimization of 3D-Printed Porous Titanium Constructs for Craniofacial Reconstruction	Oral Biology; Dentistry; Biomedical Engineering
2017	Piotr Wilk	Kelly Anderson; Saverio Stranges; Stephanie Frisbee; Sisira Sarma; Rob Petrella; Daniel Lizotte; Amardeep Thind; Kambiz Norozi; Stewart Harris; Pallav Garg; Arlene Macdougall; Javeed Sukhera	Multidisciplinary Initiative for Population Health Research in Chronic Diseases	Epidemiology and Biostatistics; Family Medicine; Paediatrics; Cardiology
2017	Trevor Shepherd	John McCormick; John Ronald	Combination targeted immunotherapy for the treatment of metastatic ovarian cancer	Anatomy and Cell Biology; Microbiology and Immunology; Medical Biophysics
2018	Silvia Penuela	John Ronald; Matthew Hebb	In Vivo Evaluation of Pannexin 1 Inhibition on Glioblastoma Growth in the Chick Model Using Bioluminescence Imaging	Anatomy and Cell Biology; Medical Biophysics; Robarts; Clinical Neurological Sciences
2018	Grace Parraga	Cory Yamashita; Lisa Cameron	Complex Airways-Disease Translational Team: Etiology of Inflammation Towards Precision Medicine Approaches in Asthma	Medical Biophysics; Robarts; Medicine; Pathology and Laboratory Medicine

Collaborative Research Seed Grants 2017-2020

2019 Spring	Tom Appleton	Aaron Fenster	Three-Dimensional Ultrasound Measurements of Synovial Tissues for Diagnosis and Management of Osteoarthritis	Medicine; Medical Biophysics; Robarts
2019 Spring	Michael Boffa	Marlys Koschinsky; Maria Drangova; Stephen Pasternak; Luciano Sposato	Role of lipoprotein(a) in embolic stroke of undetermined source (ESUS)	Biochemistry; Physiology and Pharmacology, Robarts; Medical Biophysics; Clinical Neurological Sciences
2019 Spring	Jorge Burneo	Luciano Sposato; Saverio Stranges; Sarah Morrow; Piotr Wilk	Exploring long-term environmental exposures as epilepsy risk factors: A large, population-based retrospective cohort study	Clinical Neurological Sciences; Epidemiology and Biostatistics;
2019 Spring	Brian Corneil	Penny MacDonald	The role of dopamine in the contextual control of the fast visuomotor network in health and in Parkinson's Disease	Physiology and Pharmacology, Robarts; Clinical Neurological Sciences
2019 Spring	Jane Rylett	Cheryle Séguin; Stephen Pasternak	Differentiation of human induced pluripotent stem (hiPS) cells to cholinergic basal forebrain neurons for studies on cholinergic neuron function and Alzheimer's disease pathology	Physiology and Pharmacology; Robarts; Clinical Neurological Sciences

Collaborative Research Seed Grants 2017-2020

2019 Spring	Matthew Teeter	Jeremy Burton; Brent Lanting; David O’Gorman; Edward Vasarhelyi	Potential roles for microorganisms in hip and knee joint implant failures	Surgery; Robarts; Biochemistry
2019 Fall	Cheryle Seguin	Christopher Bailey; Brad Urquhart	Development of clinical biomarkers for DISH (diffuse idiopathic skeletal hyperostosis)	Physiology and Pharmacology; Surgery
2019 Fall	Samuel Asfaha	Lauren Flynn	Building a bioscaffold for mini-guts	Gastroenterology; Anatomy and Cell Biology
2019 Fall	Barbra de Vrijer,	Facundo Garcia-Bournissen; Dr. Janine Hutson; Dr. Genevieve Eastabrook,	Developing a collaborative translational laboratory to study maternal fetal pharmacology of Cannabinoids using a placental perfusion model	Obstetrics and Gynaecology; Paediatrics
2019 Fall	Armen Parsyan	Paula Foster	Establishing Model of Breast Cancer Brain Metastases Using Patient-Derived Organoid Xenotransplantation and Multimodality Brain Imaging	Surgery; Medical Biophysics
2019 Fall	Eva Turley	Lina Dagnino	Tumor prevention mechanisms of the skin polysaccharide hyaluronan	Oncology; Biochemistry; Physiology and Pharmacology
2020	Arthur Brown	Stephen Barr; Greg Dekaban; Maria Drangova; Grace Parraga	Proof-of-principle study for an immunomodulatory therapy to treat SARS-CoV-2 infection	Anatomy & Cell Biology; Robarts; Microbiology and Immunology; Medical Biophysics

Collaborative Research Seed Grants 2017-2020

2020	Andreana Bütter	Barbra deVrijer; Tim Regnault	Molecular profiling of congenital diaphragmatic hernia; in utero and postnatal transcriptomic and metabolomic patterns to aid in prognosis and treatment	Surgery; Paediatrics; Obstetrics and Gynecology; Physiology and Pharmacology
2020	Jeffrey Campbell	Aaron Grant; Peter Wang; Debbie Penava	A multidisciplinary initiative for transgender health care in Southwestern Ontario	Surgery; Urology; Obstetrics and Gynecology
2020	Matthew Hebb	Jonathan Theissen; Justin Hicks	Low intensity electric fields to enhance drug delivery for CNS disease	Clinical Neurological Sciences; Medical Biophysics
2020	Parisa Shooshtari	Nathalie Bérubé	Uncovering the cell-specific epigenetic causes of gene dysregulation in schizophrenia	Pathology and Laboratory Medicine; Anatomy and Cell Biology
2020	Qi Zhang	Ana Suller Marti; Ali Khan	Sudden unexpected death in Epilepsy: An Interdisciplinary study	Pathology and Laboratory Medicine; Clinical Neurological Sciences; Medical Biophysics; Robarts